Page 1 of 5 #14.

OIPE

TECH CENTER 1610 2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/479,145A

DATE: 07/25/2001 TIME: 14:06:23

Input Set : A:\96700-595.ST25.txt

Output Set: N:\CRF3\07252001\I479145A.raw

ENTERED

	3 <110> APPLICANT: David, Weinstein							
		<pre><120> TITLE OF INVENTION: NOVEL GROWTH FACTOR OPA! AND USES THEREOF</pre>						
		<130: FILE REFERENCE: 96700/595						
		<pre><140: CURRENT APPLICATION NUMBER: US 09/479,145A</pre>						
		<141: CUERENT FILING DATE: 2000-01-07						
	13	<130: PRIOR APPLICATION NUMBER: 09/294,764						
		<151 PRIOR FILING DATE: 1999-04-19						
		<160: NUMBER OF SEQ 10 NOS: 4						
	1 +	<170: SOFTWARE: Patentin version 3.0						
	2.:	2.0 <210: SEQ ID NO: 1 2.4 <211: LENGTH: 1680 2.6 <212: TYPE: DNA 2.6 <213: OBGANISM: mouse 3.0 <220: FEATURE: 3. <221: NAME/KEY: Unsure 3.4 <222: LCCATION: (1098)(1114) 3.6 <223: OTHER INFORMATION: n at positions 1098-1104 may be t, a, c, or g						
	24							
	20							
	200							
	311							
	3M <4000 SEQUENCE: 1							
			ttgcataaca				J .,	60
			tttgttcaca					130
			ctatggactt					180
			ctacatacct					240
		-	aataaatacc				-	300
			ttggtttaaa					3,60
			attgagttac					450
			aagactagtc				_	480
			totaaatcaq					540 600
			aagtgttctg					600 650
			uatahaatda					720
			tagaatteac					720
			tiptinolygi Tipattinia					840
								: : 4 ()
								٠,.
*** ->			taacctannn					1140
			arattatia					
	97	ett af dague	aut daab ragi	Haat admitt	ing-raat tigtig	gatettgage	fotgeterca	1260
	52.	gragatit a	antataa ta	111111111111	ar a stigaaga	it ir grinstera	i lää jää iJ*	1.52.1
								1.480
			1 11 1 1 1 4 4 4 1					. : ::
	** **					*********		

RAW SEQUENCE LISTING

FATENT APPLICATION: US/09/479,145A

DATE: 07715 - 001 TIME: 14:06:23

Imput Set : A:\96700-595.ST25.txt

Gutput Set: N:\CRF3\07252001\I479145A.raw

```
99 - 211 - LENGTH: 10-
  101 KAIN TYPE: 115A
  103 K213 + ORGANISM: Lower has bens
  105 - 400 - SEQUENCE: /
  100 rigagacije il patasa pasyglani igasagago iliti pragi iajipa ma .
  169 ggtagattat irigit mana maaddomadd athaadttaa agigaatigi mintaliama.
  111 aatgaggiva statggastt assolaaaga hottotgtas tistgiotto sahaggasaa.
                                                                             190
  113 atgataagta etacatacet catefoltgg gttattattg fagtettgea tteatggtta.
                                                                             240
  115 tgaatttaaa aataaatacc aattatggaa atagtactaa aggottgoog cacatgaaac
                                                                            360
  117 attattttaa liggittaaa giccetttat aaaqagiqet abatggitta gataaaqgaa
  119 adatataadt attgagttic aggggatttt attaattata agatgcaate agtttagatt
                                                                           41111
  121 acqtaggtrt aayactagto cottggataa gooscaageg aatttgtott cigattatta
                                                                           4R7
  125 aaattagtgo tgtaaato4g ygtgygoaat toabagoott totgaactga otgaactaga
                                                                           540
                                                                            i \in (0,0)
  125 gettgcagtg aagtgttetg otgagaetga geacettaea gatatttite tocagaagat
    liggtgotggat aaraaaatsa toabaattaq qqaatggtta gtggtotota otqtqqbaaa.
                                                                            \hat{\mathcal{E}}_{1}(\hat{F}_{1}(\hat{f}))
                                                                            1.1.
  129 toccaactot togaatteuc Ethaltotag aaaaacccaa acrgagacte ttaagttitig
  131 tittagcaatg tqtttotgqt atgaaacaaa ctabtgtgto actgtocagg taggaaacaa
  135 trettreade igggittrisa gediadatgg gadingdig agaaggeagg dittagbeet.
                                                                           ) (j) (
  135 tiltaggicada agadaaagoto agtitgggtti cacqagtgtt cotqitgotta tattoagtot.
  137 gtgeetaeat giteleatge atgietaaee tgaittaeet ettacetgia aeetaeitta -
  139 toatgtggct tttaattgad agtdactdag doatttdtaa gdagatatag tagtaddttt -1020
  141 cagaactcac attggcaagt gtaaaaagat gacttaaggt gaagtgagga caaaatcaca -1680
  143 thetgeatac taacctattt thiteteest thaaggigst aaasitgeas sicalgicsa
                                                                          1140
                                                                          10.00
  145 etcaqtaaca aqtattqqqa eqtaqaqeac aqesteacte aqetetqaaa qqtaatacaq
  147 cttgtgagga agtgagecag cagtggeett tgeaattgtg gatettgage tetgetetea.
                                                                           1260
  149 guagattica ggtgraacca titgitaact gtabigaagg igigtootoa agaagaaagi.
  151 qttcaaatta aaaaaqotqo tqqcaaqtac actgtqtqqt cttctccttt qaatcctaqq
                                                                          1.380
  153 gttotatoco tottoagagt cangitrong glubigotad htrawawadad wgotoacawa
  155 aataactaac tideteaaat atydagaaaa efeaataggg tidayggagg fictiggeagt
  157 gtgeagtgtg anataateet gagteettge tgaasasaas tgtaygettg agrtataaag -156\%
  159 cacattecaa aitttaaata aaaqeaitta eteaattatt ataaaacaac atatttaaaa
                                                                          1 620
  161 agatgaacca caccaaaggt catcaaaaca cotttttata aattagataa ttotacctgt
                                                                          1580
  164 <210> SEQ ID NO: 3
  166 <211> LENGTH: 20
  168 <212> TYPE: DNA
  170 <2135 ORGANISM: artificial sequence
  1 . BLO BEATTER:
  l 4 - Illi - mane en vegeune e in e
         unt la Mesul III anno 11.
Le  contre la Mille Mille III de de tenate de l'une notate de traville tombé au telanguil des tellt
  1998 - In at posts and companies may be to an expense.
  181 KAOON DEGUENTE: 3
                                                                              20
186 8.108 DEP 15 No. : 4
   es elli eliministi
```

RAW SEQUENCE LISTING

EATENT APPLICATION: US/09/479,145A

TATE: 1 15 . 1 1 TIME: 14: cil.:

Input Set : A:\96700-595.ST25.txt

Output Set: N:\CRF3\07252001\I479145A.raw

194 - 202 - 10 ATTON: (1)...(112)

2008 - 2008 - OTHER INFORMATION: degenerate primer corresponding to deduced opal protein

sequence;

201 mat positions 7, 10, 13, 16, 19, and 22 may be t, a, c, or g

203 + 400> SEQUENCE: 4

W^-> 205 tttcatntcn tcntcngtng gn

22

VERIFICATION SUMMARY

FATENT AFENDATION: US/09/479,145A TIME: 14: 0:24

:ATE: 7 ... 1

Input det : A:\96700-595.ST25.txt

durput der: N:\CRF3\07252001\I479145A.raw

L:'6 M:341 W: (46) "n" or "Kaa" used, for SEQ ID#:1 L:185 M:341 W: (46) "n" or "Kaa" used, for SEQ ID#:3 L:205 M:341 W: (46) "n" or "Kaa" used, for SEQ ID#:4